



PATENT
Serial No. 10/019,239; Filing Date May 13, 2002
Examiner Duane S. Smith; Art Unit 1724
Attorney Docket No. von Kreis.019

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for National Phase
Filing in the United States of

Applicant: Jörg Peter Schür

Serial No.: 10/019239

Filing Date: May 13, 2002

Based on International Application
No. PCT/EP00/03993
Filed April 4, 2000
Priority Date: July 7, 1999

Examiner: Duane S. Smith

Group Art Unit: 1724

For: **METHOD AND DEVICE FOR ENRICHING AIR
WITH AN AIR TREATMENT AGENT**

To: **MAIL STOP — RCE**
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICANT'S REQUEST FOR CORRECTION OF TITLE OF THE INVENTION

Dear Sir:

I **Status of the Application**

A ***Notice of Allowance and Fee(s) Due*** was issued by the United States Patent and Trademark Office on September 7, 2004. The pending ***Notice of Allowance*** has a deadline for payment of the issue fee of December 7, 2004. Concurrently herewith Applicant is filing a ***Request for Continued Examination*** in order to obtain the additional time required to prepare and file an Information Disclosure Statement making additional prior art of record. ***Applicant's Request for Correction of Title of the Invention*** and Applicant's ***Request for Continued Examination*** are timely as they are being filed on December 6, 2004.

II Applicant Requests Correction of Title of Invention

The Filing Receipt which was mailed by the United States Patent and Trademark Office on June 19, 2002, inadvertently recited an incorrect title for the Invention, "Protective circuit for protecting active components from over-or undervoltage" (copy attached hereto as **EXHIBIT A**).

As indicated by the cover sheet of Published International Application No. PCT/EP00/02992 (copy attached hereto as **EXHIBIT B**), upon which the United States Application is based, the correct title is "Method and Device for Enriching Air with an Air Treatment Agent."

Applicant requested correction of this Patent Office error in a facsimile communication to the Office of Initial Patent Examinations/Filing Receipt Corrections, on November 14, 2003 (copy attached hereto as **EXHIBIT C**).

Although Applicant reiterated the request that the title of the invention be corrected in ***Applicant's Response Under 37 C.F.R. § 1.111 To United States Patent and Trademark Office Examiner's Action*** filed December 23, 2003, the incorrect title continued to appear in a ***Notice of Allowance*** dated March 10, 2004, and the pending ***Notice of Allowance*** dated September 7, 2004.

As the incorrect title became associated with this application as the result of a clerical error on the part of the Patent Office, and furthermore, as the incorrect title has nothing to do with Applicant's invention, Applicant respectfully requests that the original, correct title be listed as the title of the invention:


METHOD AND DEVICE FOR ENRICHING AIR WITH AN AIR TREATMENT AGENT.

III **Conclusion**

The Examiner is requested to telephone the undersigned attorney if there is any matter requiring clarification concerning United States Patent Application Number 10/019,239 that can reasonably be expected to be resolved in a telephone interview.

Respectfully submitted,

DANN DORFMAN HERRELL AND SKILLMAN


John S. Child, Jr.

PTO Registration No. 28,833

TELEPHONE: 215-563-4100

FACSIMILE: 215-563-4044

Date: December 6, 2004

CORRESPONDENCE ADDRESS:

Customer No. 000110

John S. Child, Jr., Esquire

Dann Dorfman Herrell and Skillman

1601 Market Street, Suite 2400

Philadelphia, PA 19103-2307



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/019,239	05/13/2002	1724	510	von Kreiser.019	2	20	3

CONFIRMATION NO. 1858

000110
DANN DORFMAN HERRELL & SKILLMAN
SUITE 720
1601 MARKET STREET
PHILADELPHIA, PA 19103-2307

FILING RECEIPT



OC000000008303183

Date Mailed: 06/19/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Jorg Peter Schur, Wegberg-dalheim, GERMANY;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/EP00/02992 04/04/2000

Foreign Applications

GERMANY 19931185.4 07/07/1999

Projected Publication Date: Not Applicable, filed prior to November 29,2000

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Protective circuit for protecting active components from over-or undervoltage

EXHIBIT A

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
18. Januar 2001 (18.01.2001)

PCT

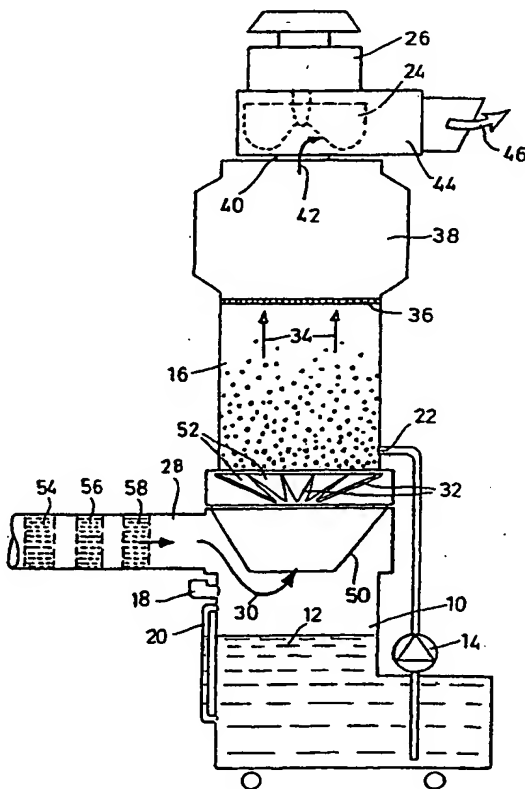
(10) Internationale Veröffentlichungsnummer
WO 01/03747 A1

- (51) Internationale Patentklassifikation⁷: A61L 9/12 (74) Anwälte: VON KIRSCHBAUM, Alexander usw.; Postfach 10 22 41, D-50462 Köln (DE).
- (21) Internationales Aktenzeichen: PCT/EP00/02992
- (22) Internationales Anmeldedatum: 4. April 2000 (04.04.2000)
- (25) Einreichungssprache: Deutsch
- (26) Veröffentlichungssprache: Deutsch
- (30) Angaben zur Priorität: 199 31 185.4 7. Juli 1999 (07.07.1999) DE
- (71) Anmelder und
- (72) Erfinder: SCHÜR, Jörg, Peter [DE/DE]; Heideweg 51, D-41844 Wegberg-Dalheim (DE).
- (81) Bestimmungsstaaten (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Bestimmungsstaaten (*regional*): ARIPO-Patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), eurasisches Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), europäisches Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI-Patent

[Fortsetzung auf der nächsten Seite]

(54) Title: METHOD AND DEVICE FOR ENRICHING AIR WITH AN AIR CONDITIONING AGENT

(54) Bezeichnung: VERFAHREN UND VORRICHTUNG ZUR ANREICHERUNG VON LUFT MIT LUFTBEHANDLUNGSMITTEL



(57) Abstract: The invention relates to a method for enriching air with an air conditioning agent (12), especially for sterilizing the air. According to the inventive method, an air conditioning agent (12) in the liquid phase is introduced into the air and evaporated. The ratio of conditioning agent in the air ranges from 0.1 to 0.002 ml, preferably from 0.01 to 0.005 ml per m³. According to the inventive device for enriching air with an air conditioning agent (12) a liquid air conditioning agent (12) is provided in a reservoir (10). Said agent is guided into a turbulence chamber (16). A fan (24) produces an air current (34) in said turbulence chamber. Said air current (34) leads to a turbulence of the liquid air conditioning agent so that a mixture consisting of air and vaporous air conditioning agent is discharged from the turbulence chamber (16).

(57) Zusammenfassung: Bei einem Verfahren zur Anreicherung von Luft mit einem Luftbehandlungsmittel (12), insbesondere zur Luftentkeimung, wird ein Luftbehandlungsmittel (12) aus einer flüssigen Phase in die Luft eingebracht und verdampft. Hierbei beträgt der Behandlungsmittelanteil in der Luft pro m³ Luft zwischen 0,1 und 0,002 ml, vorzugsweise zwischen 0,01 und 0,005 ml. Bei einer erfindungsgemässen Vorrichtung zum Anreichern der Luft mit einem Luftbehandlungsmittel (12) ist in einer Vorratskammer (10) ein flüssiges Luftbehandlungsmittel (12) vorgesehen. Dieses wird in eine Verwirbelungskammer (16) geleitet. In der Verwirbelungskammer (16) herrscht ein durch einen Ventilator (24) erzeugter Luftstrom (34), der eine Verwirbelung des flüssigen Luftbehandlungsmittels bewirkt, so dass aus der Verwirbelungskammer (16) ein Gemisch aus Luft und dampfförmigem Luftbehandlungsmittel austritt.

DANN DORFMAN HERRELL AND SKILLMAN

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TELEPHONE (215) 563-4100

TRANSMISSION FROM FACSIMILE NO. (215) 563-4044

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DATE: November 14, 2003

TO: Office of Initial Patent Examinations
Filing Receipt Corrections
United States Patent and Trademark Office

FACSIMILE NO. 703-746-9195

FROM: John S. Child, Jr., Esquire
PTO Registration No. 28,833

Re: United States Patent Application Serial No. 10/019,239
Filing Date: 05/13/2002
Applicant: Jörg Peter Schür
For METHOD AND DEVICE FOR ENRICHING AIR
WITH AN AIR TREATMENT AGENT
Dann Dorfman Reference No. von Kreisler.019

TOTAL PAGES: 2 (including this cover)

Please make the correction noted by an "*" on the attached copy of the Filing Receipt which was mailed by the USPTO on 06/19/2002, namely, the substitution of the correct title for the invention, "METHOD AND DEVICE FOR ENRICHING AIR WITH AN AIR TREATMENT AGENT." The incorrect title which appears on the Filing Receipt must have been a USPTO clerical error and clearly has nothing to do with the present invention. Thank you.

Respectfully submitted,

John S. Child, Jr.
John S. Child, Jr.

PTO Registration No. 28,833



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/019,239	05/13/2002	1724	510	von Kreiser.019	2	20	3

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DANN DORFMAN HERRELL & SKILLMAN
SUITE 720
1601 MARKET STREET
PHILADELPHIA, PA 19103-2307

CONFIRMATION NO. 1858

FILING RECEIPT



OC00000008303183

Date Mailed: 06/19/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Jorg Peter Schur, Wegberg-dalheim, GERMANY;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/EP00/02992 04/04/2000

Foreign Applications

GERMANY 19931185.4 07/07/1999

Projected Publication Date: Not Applicable, filed prior to November 29, 2000

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

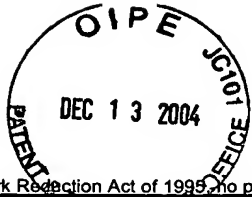
Protective circuit for protecting active components from over-or undervoltage

* Method and device for enriching air with an air treatment agent

*** TX REPORT ***

TRANSMISSION OK

TX/RX NO	1800	
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RESULT	OK	



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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**525.00**

Complete if Known

Application Number	01/019,239
Filing Date	May 13, 2002
First Named Inventor	Jorg Peter Schur
Examiner Name	Duane Smith
Art Unit	1724
Attorney Docket No.	von Kreisler.019

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number **04 - 1406**
Deposit Account Name **Dann Dorfman Herrell and Skillman**

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid
Total Claims	<input type="text"/>	-20** =	<input type="text"/>	X	<input type="text"/>	<input type="text"/>
Independent Claims	<input type="text"/>	- 3** =	<input type="text"/>	X	<input type="text"/>	<input type="text"/>
Multiple Dependent					<input type="text"/>	<input type="text"/>

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	395	Request for Continued Examination (RCE)	395.00
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) requesting limited suspension of action					130.00
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					525.00

SUBMITTED BY

Name (Print/Type)	John S. Child, Jr.	Registration No. (Attorney/Agent)	28,833	Telephone	215-563-4100
Signature	<i>John S. Child, Jr.</i>	Date	12/06/2004		

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